

# The public health impacts of climate change in the former Yugoslav Republic of Macedonia

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#### Abstract:

Projected climatic changes for the former Yugoslav Republic of Macedonia for the period 2025-2100 will be most intense in the warmest period of the year with more frequent and more intense heat-waves, droughts and flood events compared with the period 1961-1990. The country has examined their vulnerabilities to climate change and many public health impacts have been projected. A variety of qualitative and quantitative methodologies were used in the assessment: literature reviews, interviews, focus groups, time series and regression analysis, damage and adaptation cost estimation, and scenario-based assessment. Policies and interventions to minimize the risks and development of long-term adaptation strategies have been explored. The generation of a robust evidence base and the development of stakeholder engagement have been used to support the development of an adaptation strategy and to promote adaptive capacity by improving the resilience of public health systems to climate change. Climate change adaptation has been established as a priority within existing national policy instruments. The lessons learnt from the process are applicable to countries considering how best to improve adaptive capacity and resilience of health systems to climate variability and its associated impacts.

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### **Resource Description**

#### Climate Scenario: M

specification of climate scenario (set of assumptions about future states related to climate)

Special Report on Emissions Scenarios (SRES), Other Climate Scenario

Special Report on Emissions Scenarios (SRES) Scenario: SRES A1, SRES A2

Other Climate Scenario: SRES A1B

Early Warning System: **☑** 

resource focus on systems used to warn populations of high temperatures, extreme weather, or other elements of climate change to prevent harm to health

A focus of content

Exposure: M

## **Climate Change and Human Health Literature Portal**

weather or climate related pathway by which climate change affects health

Air Pollution, Extreme Weather Event, Temperature

Air Pollution: Allergens, Ozone, Particulate Matter

**Extreme Weather Event:** Drought, Flooding

**Temperature:** Extreme Cold, Extreme Heat, Fluctuations

Geographic Feature: M

resource focuses on specific type of geography

Urban

Geographic Location: M

resource focuses on specific location

Non-United States

Non-United States: Europe

European Region/Country: European Country

Other European Country: Macedonia

Health Impact: M

specification of health effect or disease related to climate change exposure

Cardiovascular Effect, Infectious Disease, Morbidity/Mortality, Respiratory Effect

Infectious Disease: Vectorborne Disease

Vectorborne Disease: Mosquito-borne Disease

Mosquito-borne Disease: Malaria, West Nile Virus

Intervention: M

strategy to prepare for or reduce the impact of climate change on health

A focus of content

mitigation or adaptation strategy is a focus of resource

Adaptation

type of model used or methodology development is a focus of resource

Exposure Change Prediction, Outcome Change Prediction

Resource Type: M

format or standard characteristic of resource

# Climate Change and Human Health Literature Portal

Review

Resilience: M

capacity of an individual, community, or institution to dynamically and effectively respond or adapt to shifting climate impact circumstances while continuing to function

A focus of content

Timescale: M

time period studied

Long-Term (>50 years)